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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/061,550	02/01/2002	Philippe Jacot	33923	2418
116	7590	11/10/2004	EXAMINER	
PEARNE & GORDON LLP 1801 EAST 9TH STREET SUITE 1200 CLEVELAND, OH 44114-3108				BUDD, MARK OSBORNE
		ART UNIT		PAPER NUMBER
		2834		

DATE MAILED: 11/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	Applicant(s)	
10/061,550	JACOT ET AL.	
Examiner	Art Unit	
Mark Budd	2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 28 May 2004.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-39,41 and 42 is/are pending in the application.

4a) Of the above claim(s) 20-22,41 and 42 is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-19 and 23-39 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

- Certified copies of the priority documents have been received.
- Certified copies of the priority documents have been received in Application No. _____.
- Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application (PTO-152)

6) Other: _____.

The final rejection mailed 7-15-04 is hereby withdrawn and replaced with the following office action.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 23-26 and 38 are rejected under 35 U.S.C. 102(b) as being anticipated by Taniguchi.

Taniguchi teaches a SAW having bus bars that are made of a different metal (e.g. AU v. A0) than that of the interdigitated electrode fingers. Also, the bus bar can be thicker than the electrode layers and/or could be multi-layer structure that is thicker than the electrode fingers. Note fig. 11 and col. 18 line 26 to col. 19 line 63.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-12 and 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lai in view of Brice or Nakano.

Lai teaches a Saw device using at least an aluminum electrode layer (#22) which is known to tend to migrate. At least a layer of titanium (#20) is placed between the aluminum and the piezo substrate material to help the aluminum stick to the piezo material. Lai does not teach providing an aluminum oxide layer on the top and side

surfaces of the aluminum layer. However, Brice (Figs 3, 4) and Nakano (Fig. 9) both teach providing a metal oxide layer over an aluminum electrode to prevent migration of the aluminum and provide protection from humidity. Thus, for at least these advantages it would have been obvious to one of ordinary skill in the art in the art to add an aluminum oxide layer to the aluminum layer of Lai.

Claims 13-165 and 27-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lai in view of Brice or Nakano as applied to claim 1 above, and further in view of Taniguchi.

These claims add that the bus bar is made of a different material and/or is a different thickness than the electrode fingers. Tuniguchi teaches providing such bus bar constructions (note discussion of Taniguchi above) to prevent unwanted wave propagation under the bus bars. Thus for at least this reason, it would have been obvious to one of ordinary skill in the art to provide thicker/different metal bus bars in either Lai, Brice or Nakano.

Further cited of interest are Watanabe (366) and Yuhara.

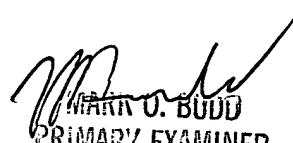
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark O. Budd whose telephone number is (571)272-2019. The examiner can normally be reached on Monday-Thursday from 6am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor R. Ramirez, can be reached on ***. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Budd/ds

11/06/04



MARK O. BUDD
PRIMARY EXAMINER
ART UNIT 2834